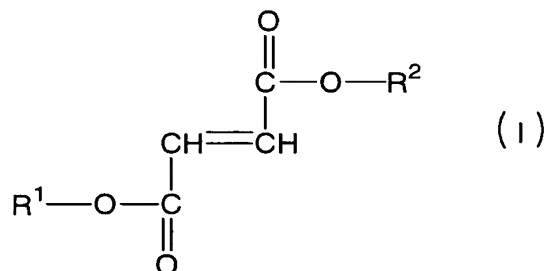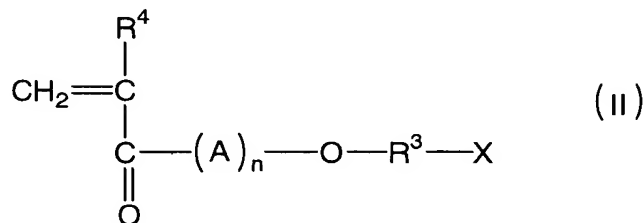What is claimed is:

1. A polymer material of low relative permittivity obtained through copolymerization of a monomer composition that contains, as monomers, a fumaric diester and an epoxy group-having (meth)acrylate.

2. The polymer material of low relative permittivity as claimed in claim 1, wherein one monomer, fumaric diester is represented by the following formula (I):
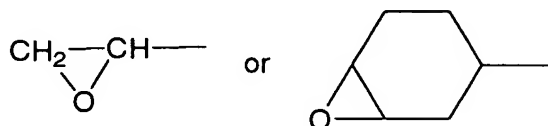
$$
\begin{array}{c}
\underset{\displaystyle \underset{O}{\parallel}}{\overset{\displaystyle \overset{O}{\parallel}}{C}}\!-\!O\!-\!R^2 \\
CH\!=\!CH \\
R^1\!-\!O\!-\!C \\
\underset{O}{\parallel}
\end{array}
\qquad (I)
$$

wherein R^1 represents an alkyl group or a cycloalkyl group; R^2 represents an alkyl group, a cycloalkyl group or an aryl group; and R^1 and R^2 may be the same or different.
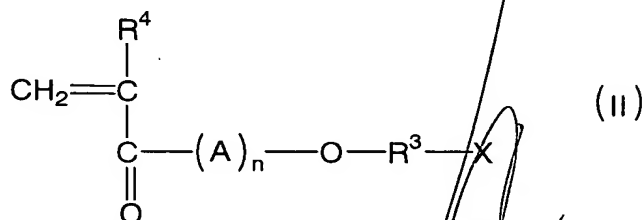
3. The polymer material of low relative permittivity as claimed in claim 1, wherein the other monomer, epoxy group-having (meth)acrylate is represented by following formula (II):

$$
\begin{array}{c}
\overset{\displaystyle R^4}{\underset{\displaystyle |}{|}} \\
CH_2\!=\!C \\
\underset{\displaystyle \underset{O}{\parallel}}{C}\!-\!(A)_n\!-\!O\!-\!R^3\!-\!X
\end{array}
\qquad (II)
$$

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wherein R³ represents an alkylene group having from 1 to 4 carbon atoms; R^4 represents H or CH_3; A represents an alkylene oxide having from 2 to 4 carbon atoms; n indicates an integer of from 0 to 2; and X represents

CH_2—CH—   or

4.   The polymer material of low relative permittivity as claimed in claim 2, wherein the other monomer, epoxy group-having (meth)acrylate is represented by following formula (II):
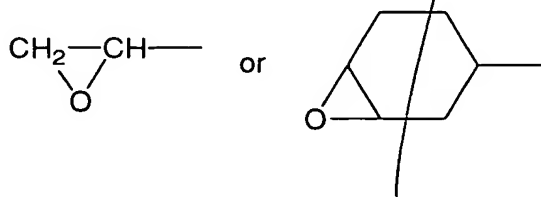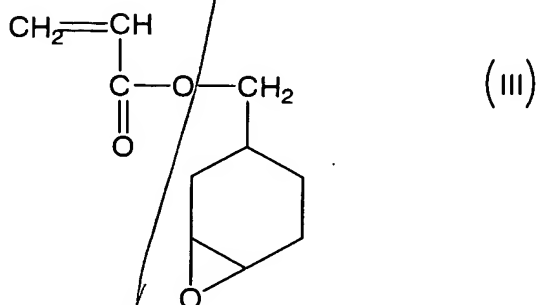
$$CH_2=\underset{\underset{O}{\parallel}}{\overset{\overset{R^4}{|}}{C}}\overset{}{\underset{}{C}}-(A)_n-O-R^3-X \qquad (II)$$

wherein R³ represents an alkylene group having from 1 to 4 carbon atoms; R^4 represents H or CH_3; A represents an alkylene oxide having from 2 to 4 carbon atoms; n indicates an integer of from 0 to 2; and X represents

CH_2—CH—   or

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5. The polymer material of low relative permittivity as claimed in claim 3, wherein the epoxy group-having (meth)acrylate is represented by following formula (III):

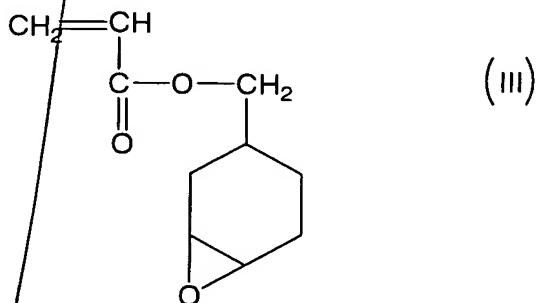$$CH_2{=}CH{-}\underset{\displaystyle O}{\overset{\displaystyle }{C}}{-}O{-}CH_2 \quad \text{(III)}$$

6. The polymer material of low relative permittivity as claimed in claim 4, wherein the epoxy group-having (meth)acrylate is represented by following formula (III):

$$CH_2{=}CH{-}\underset{\displaystyle O}{\overset{\displaystyle }{C}}{-}O{-}CH_2 \quad \text{(III)}$$

7. A film of the polymer material of low relative permittivity of claims 1.

8. A substrate formed of the polymer material of low relative permittivity of claims 1.

9. An electronic unit formed of the polymer material of low relative permittivity of claims 1.

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